Daikin Europe N.V.

Project Description : WIRING DIAGRAM

- Unit name : EWAQ 130-260 EWYQ 130-250 Std
- Wiring diagram number : 4TW57596-1
- Revision : B
- Number of pages : 26

Page overview

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Notes to go through before starting the unit :

L1,L2,L3 : Main terminals
1-99 : Fieldwiring terminals
100-199 : Factory upwiring terminals
200- : Internal wiring terminals
U-Z : Main terminals in compressor switchbox

: Earth wiring
15 : Wire number 15
15 : Terminal number 15
: Field supply

: Option

: Wiring depending on model

: Not mounted in switchbox

: PCB

**/12.2 : Connection ** continues on page 12 column 2

! : Pin against miswiring (example: X10Z1!)

1 : Several wiring possibilities

N-model : unit with no options included.

Y1R, Y2R reversing valves are activated in cooling mode.

Factory installed:
- ☐ OP10 = Heater tape
- ☐ OP57 = A - Meter, V - Meter
- ☐ OPLN = Low noise (OPIF+Compressorhousing)
- ☐ OPTP = Twinpump
- ☐ OPSC = Single pump contactor
- ☐ OPTC = Twin pump contactor
- ☐ OPIF = Inverter fans for low ambient (-15 °C)
- ☐ OPHP = Hi ESP Pump
- ☐ OPSP = Single pump
- ☐ OPBT = Buffertank

User installed:
- ☐ EKACPG = Address card including:
  - RS485 (Integrated modbus)
  - F1,F2 (DICN + DBACS Connection)
- ☐ EKRUPG = Remote user interface

Page numbers:

1..14:	General
15..19:	Power supply
20..29:	Main circuits
30..39:	Control circuits
40..49:	Fieldwiring

Definitions:

DI:	Digital input
DO:	Digital output
AI:	Analog input
AO:	Analog output
Ch:	Changeable (function can be selected by the customer)

LEGEND:

	Not included with standard unit	
	Not possible as option	Possible as option
Obligatory	#	##
Not obligatory	*	**

Part number		Description
A01P		PCB Extension
A02P	**	PCB Communication (EKACPG)
A4P		PCB wired remote controller
A5P	**	PCB wired remote controller (EKRUPG)
A11P, A21P		PCB Main controller circuit 1, circuit 2
A13P, A23P	**	frequency inverter circuit 1, circuit 2 (OPIF)
A71P		PCB EEV driver
A72P		PCB EEV driver (Only for EWYQ)
A73P		PCB EEV driver (Only for EWYQ230-250)
B1PH, B2PH		high pressure sensor circuit 1, circuit 2
B1PL, B2PL		low pressure sensor circuit 1, circuit 2
DS1 (A*P)		PCB dipswitch
E1HS	**	switchbox heater with fan (OPIF) (Only for EWAQ130-260 / EWYQ130-250)
E3H	**	heatertape (OP10)
E4H	**	heatertape (OP10) (Only for OPSP/OPHP/OPTP)
E5H	*	fieldheater
E6H	**	buffertank heater (OP10) (Only for OPBT)
E7H	**	switchbox heater (OPIF) (Only for EWA/YQ80-100)
E11HC, E12HC		crankcase heater compressor circuit 1
E21HC, E22HC		crankcase heater compressor circuit 2
F1-F3	#	main fuses
F1U (A*P)		fuse PCB
F4,F5	#	fuses for heaters
F6B		autofuse for primary of TR1
F8B	**	autofuse for switchbox heater (OPIF)
F9B		autofuse for secondary of TR1
F11B, F12B		autofuse for compressors (M11C, M12C) (Not for EWA/YQ 80-100)
F14B, F24B		autofuse for fanmotors circuit 1, circuit 2
F15B, F25B	**	autofuse for fanmotors circuit 1, circuit 2 (OPIF)
F16B	**	autofuse for pump (K1P) (Only for OPSP/OPHP/OPSC/OPTP/OPTC)
F17B	**	autofuse for pump (K2P) (Only for OPTP/OPTC)
F21B, F22B		autofuse for compressors (M21C, M22C)
H1-6P	*	indication lamp for changeable digital outputs
H11P, H12P	*	indication lamp for operation compressor circuit 1 (M11C,M12C)
H21P, H22P	*	indication lamp for operation compressor circuit 2 (M21C,M22C)
HAP-HEP (A*P)		light emitting diode PCB
K1A, K2A		auxiliary relay for compressor safety circuit 1, circuit 2
K1P	##	pump contactor (Only for OPSP/OPHP/OPSC/OPTP/OPTC)
K1S	*	overcurrent relay pump
K1R-K22R (A*P)		PCB relay
K2P	**	pump contactor (Only for OPTP/OPTC)
K3A		auxiliary relay for heater tape
K11M, K12M		compressor contactor for circuit 1
K13F, K14F		fancontactor for circuit 1
K13S, K14S		fan overcurrent relay for circuit 1

Part number		Description
K15F		fancontactor for circuit 1 (Only for EWAQ80-100/180-210/240-260) (Only for EWYQ80-100/180-210/230-250)
K15S		fan overcurrent relay for circuit 1 (Only for EWAQ80-100/180-210/240-260) (Only for EWYQ80-100/180-210/230-250)
K16F		fancontactor for circuit 1 (Only for EWAQ80-100/240-260) (Only for EWYQ80-100/230-250)
K16S		fan overcurrent relay for circuit 1 (Only for EWAQ80-100/240-260) (Only for EWYQ80-100/230-250)
K21M, K22M		compressor contactor for circuit 2
K23F, K24F		fancontactor for circuit 2
K23S, K24S		fan overcurrent relay for circuit 2
K25F		fancontactor for circuit 2 (Only for EWAQ180-210/240-260) (Only for EWYQ180-210/230-250)
K25S		fan overcurrent relay for circuit 2 (Only for EWAQ180-210/240-260) (Only for EWYQ180-210/230-250)
K26F		fancontactor for circuit 2 (Only for EWAQ240-260) (Only for EWYQ230-250)
K26S		fan overcurrent relay for circuit 2 (Only for EWAQ240-260) (Only for EWYQ230-250)
M1P	**	pump motor 1 (Only for OPSP/OPHP/OPSC/OPTP/OPTC)
M2P	**	pump motor 2 (Only for OPTP/OPTC)
M11C, M12C		compressor motors circuit 1
M13F, M14F		fan motors circuit 1
M15F		fan motors circuit 1 (Only for EWAQ80-100/180-210/240-260) (Only for EWYQ80-100/180-210/230-250)
M16F		fan motors circuit 1 (Only for EWAQ80-100/240-260) (Only for EWYQ80-100/230-250)
M21C, M22C		compressor motors circuit 2
M23F, M24F		fan motors circuit 2
M25F		fan motors circuit 2 (Only for EWAQ180-210/240-260) (Only for EWYQ180-210/230-250)
M26F		fan motors circuit 2 (Only for EWAQ240-260) (Only for EWYQ230-250)
M1F		switchbox fanmotor
Q1T	**	thermostat (OP10)
Q11C, Q12C		For EWAQ130/EWYQ130: thermal protector compressor circuit 1 For EWAQ 80-100/150/180-210/240-260 For EWYQ 80-100/150/180-210/230-250: electronic protection module compressor circuit 1
Q21C, Q22C		For EWAQ130/EWYQ130: thermal protector compressor circuit 2 For EWAQ 150/180-210/240-260 For EWYQ 150/180-210/230-250: electronic protection module compressor circuit 2

Part number		Description
R1T		ambient temperature sensor
R2T		inlet water temperature sensor
R3T		outlet water temperature sensor
R8T	*	temperature sensor for changeable analog input
R14T		suction temperature sensor circuit 1
R15T, R25T		discharge temperature sensor circuit 1
R16T		coil temperature sensor circuit 1 (only for EWYQ)
R17T		refrigerant piping temperature sensor circuit 1
R18T, R38T		heating suction temperature sensor circuit 1, circuit 2 (only EWYQ)
R28T, R48T		heating suction temperature sensor circuit 1, circuit 2 (only for EWYQ80-100/230-250)
R26T		coil temperature sensor circuit 1 (only for EWYQ80-100/230-250)
R34T		suction temperature sensor circuit 2
R35T, R45T		discharge temperature sensor circuit 2
R36T		coil temperature sensor circuit 2 (only for EWYQ)
R37T		refrigerant piping temperature sensor circuit 2
R46T		coil temperature sensor circuit 2 (only for EWYQ230-250)
S1A-S3A (A*P)		PCB dipswitch
S1L		flowswitch
S1M		main isolator switch
S1PH, S2PH		high pressure switch circuit 1, circuit 2
S1S-S5S	*	switch for changeable digital input (remote on/off, C/H,..)
S1T	**	thermal contact (OPIF)
S2M	#	heatertape isolator switch
T1A	**	current transducer (OP57)
T1V	**	voltage transducer (OP57)
TR1		transfo control circuit (400V/230V)
TR1A	**	current measurement transfo (OP57)
V1C		Ferrite core
V1F, V2F	**	noise filter circuit 1, circuit 2 (OPIF) (only for EWAQ 130-150/180-210) (only for EWYQ 130-150/180-210)
V2C	**	Ferrite core (EKACPG)
X*A (A*P)		PCB terminal
X*Y		connector
X1M (A*P)		PCB terminal strip
Y1R, Y2R		reverse valve circuit 1, circuit 2 (only EWYQ)
Y11E		electronic expansion valve cooling circuit 1
Y12E		electronic expansion valve heating circuit 1 (only EWYQ)
Y13E		electronic expansion valve heating circuit 1 (only EWYQ 80-100/230-250)
Y21E		electronic expansion valve cooling circuit 2
Y22E		electronic expansion valve heating circuit 2 (only EWYQ)
Y23E		electronic expansion valve heating circuit 2 (only EWYQ 230-250)

Translation of this legend can be found in the manual.

0 1 2 3 4 5 6 7 8 9

Std

1

A4P

HAP

SUB

S1A

HBP

MAIN

TERM
S2A

ON OFF

X1M + - RS485 DC 24V GND

ADDRESS=MAIN
TERM=ON

EKRUPG

1

A4P

HAP

SUB

S1A

HBP

MAIN

TERM
S2A

ON OFF

X1M + - RS485 DC 24V GND

ADDRESS=MAIN
TERM=OFF

A5P

HAP

SUB

S1A

HBP

MAIN

TERM
S2A

ON OFF

X1M + - RS485 DC 24V GND

ADDRESS=SUB
TERM=ON

3
V1C

A11P

TERM
S2A

ON OFF

X53A

X52A

X51A
ACS

EKACPG

A02P

DICN

MODBUS

2
V2C

F1 HCP

F2

+ RS485

-

X1M

HEP HDP

TERM
S3A

ON OFF

For S3A setting
see installation manual EKACPG

A01P

HAP

H1P

H2P

HAP

HBP

ON

OFF S1A

ADDRESS=1

X88A
ACS

ON DS1

OFF ADDRESS=1

HAP

X89A

A71P

*

only
for EWYQ

X88A
ACS

ON DS1

OFF ADDRESS=2

HAP

X89A

A72P

*

only
for EWYQ
230-250

X88A
ACS

ON

OFF ADDRESS=3

HAP

X89A

A73P

*

* = shortcut on last
EEV PCB (319)

A21P

TERM
S2A

ON OFF

X53A

X52A

H1P

H2P

HAP

HBP

ON

OFF S1A

ADDRESS=2

■ = DIPSWITCH

DAIKIN Daikin Europe N.V.	Description PCB interconnection diagram	Unit name EWAQ 130-260 EWYQ 130-250 Std	Drawing number 4TW57596-1	Page 5 -

I/O OVERVIEW 4TW57596-1

Main PCB (A11P)	
X12A(1-3-5)	DI: Reverse phase detection (L1-L2-L3) c1
X4A	DI: High pressure switch c1
X5A	DI: Compressor interlock 1 c1
X6A	DI: Compressor interlock 2 c1
X7A	DI: Fan overcurrent relay Fanstep 1 c1
X8A	DI: Fan overcurrent relay Fanstep 2 c1
X9A	DI: Fan overcurrent relay Fanstep 3 c1
X27A	not used
X29A(3-4)	not used
X30A	DI: Flow switch
X31A	DI: Pump interlock
X32A(3-4)	Ch DI1: function not pre-defined
X32A(1-2)	Ch DI2: function not pre-defined
X13A	DO: Compressor contactor 1 c1
X14A	DO: Compressor contactor 2 c1
X15A	DO: Heatertape
X16A	DO: Pump contactor
X17A	DO: Reverse valve c1 (Only for EWYQ)
X19A(1-3)	DO: Fanstep 1 c1
X19A(5-7)	DO: Fanstep 2 c1
X20A	DO: Fanstep 3 c1
X22A	Ch DO1: "SAFETY+W.(NO)" (def)
X24A	Ch DO2: "GEN.OPERATION" (def)
X25A	Ch DO3: function not pre-defined
X33A	AI: Ambient sensor
X34A	AI: Inlet water sensor
X35A	AI: Outlet water sensor
X36A	AI: Suction temperature sensor c1
X37A	AI: Refrigerant piping temperature sensor c1
X38A	AI: Coil temperature sensor 1 c1 (Only for EWYQ)
X39A	AI: Coil temperature sensor 2 c1 (Only for EWYQ)
X40A	AI: Discharge temperature sensor 1 c1
X41A	AI: Discharge temperature sensor 2 c1
X42A	AI: High pressure sensor c1
X43A	AI: Low pressure sensor c1
X44A	AI: Current measurement (OP57)
X45A	AI: Voltage measurement (OP57)
HAP,HBP	LED (Service monitor green)
H1P,H2P	LED (Service monitor red)
S1A	dipswitch (address)
S2A	dipswitch (terminal resistor)

Extension PCB (A01P)	
X63A	Ch DO6: function not pre-defined
X64A(1-3)	Ch DO4: function not pre-defined
X64A(5-7)	Ch DO5: function not pre-defined
X65A(1-2)	Ch DI3: function not pre-defined
X65A(3-4)	Ch DI4: function not pre-defined
X66A	AI: Heating suction temperature sensor 1 c1 (Only for EWYQ)
X67A	AI: Heating suction temperature sensor 2 c1 (Only for EWYQ)
X68A	Ch AI2: function not pre-defined
X69A	Ch AI1: function not pre-defined
X70A	Ch AI4: function not pre-defined
X71A	Ch AI3: function not pre-defined
X72A(3-4)	not used
X73A	Ch AO1: function not pre-defined
X74A(4-5)	not used
HAP, HBP	LED (Service monitor green)

Wired remote controller PCB (A4P,A5P)	
HAP,HBP	LED (Service monitor green)
S1A	dipswitch (address)
S2A	dipswitch (terminal resistor)

Communication PCB (A02P)	
HCP,HDP,HEP	LED (Service monitor green)
S3A	dipswitch (terminal resistor)

EEV PCB (A71P)	
X86A	Y11E Electronic expansion valve
X87A	Y21E Electronic expansion valve
HAP	LED (Service monitor green)
DS1	dipswitch (address)

EEV PCB (A72P) (Only EWYQ)	
X86A	Y12E Electronic expansion valve (Only EWYQ)
X87A	Y22E Electronic expansion valve (Only EWYQ)
HAP	LED (Service monitor green)
DS1	dipswitch (address)

Main PCB (A21P)	
X12A(1-3-5)	DI: Reverse phase detection (L1-L2-L3) c2
X4A	DI: High pressure switch c2
X5A	DI: Compressor interlock 1 c2
X6A	DI: Compressor interlock 2 c2
X7A	DI: Fan overcurrent relay Fanstep 1 c2
X8A	DI: Fan overcurrent relay Fanstep 2 c2
X9A	DI: Fan overcurrent relay Fanstep 3 c2
X27A	not used
X13A	DO: Compressor contactor 1 c2
X14A	DO: Compressor contactor 2 c2
X17A	(Only for EWYQ) DO: Reverse valve c2
X19A(1-3)	DO: Fanstep 1 c2
X19A(5-7)	DO: Fanstep 2 c2
X20A	DO: Fanstep 3 c2
X34A	AI: Heating suction temperature sensor 1 c2 (Only for EWYQ)
X35A	AI: Heating suction temperature sensor 2 c2 (Only for EWYQ)
X36A	AI: Suction temperature sensor c2
X37A	AI: Refrigerant piping temperature sensor c2
X38A	AI: Coil temperature sensor 1 c2 (Only for EWYQ)
X39A	AI: Coil temperature sensor 2 c2 (Only for EWYQ)
X40A	AI: Discharge temperature sensor 1 c2
X41A	AI: Discharge temperature sensor 2 c2
X42A	AI: High pressure sensor c2
X43A	AI: Low pressure sensor c2
HAP,HBP	LED (Service monitor green)
H1P,H2P	LED (Service monitor red)
S1A	dipswitch (address)
S2A	dipswitch (terminal resistor)

EEV PCB (A73P) (Only EWYQ230-250)	
X86A	Y13E Electronic expansion valve (Only EWYQ230-250)
X87A	Y23E Electronic expansion valve (Only EWYQ230-250)
HAP	LED (Service monitor green)
DS1	dipswitch (address)

Fuses

			EWAQ130 EWYQ130	EWAQ150 EWYQ150
FUSES				
F1-F3			200gL/gG 500V	200gL/gG 500V
F1U			T 5A/250V	T 5A/250V
F4,F5			10gL/250V	10gL/250V
Circuit breakers				
F8B (OPIF)			-	-
F9B			C 4A/250V	C 4A/250V
Circuit breaker and motor protector settings				
F6B			2,30A	2,30A
F11B, F22B			36A	40A
F12B, F21B			36A	40A
F16B (OPSP/OPSC/OPTP/OPTC)			6,8A	6,8A
F16B (OPHP)			12A	12A
F17B (OPTP/OPTC)			6,8A	6,8A
F14B, F24B			3,5A	5,1A
F15B, F25B (OPIF)			5,6A	7,9A
K13S-K16S K23S-K26S			1,6A	2,3A

	EWAQ180 EWYQ180	EWAQ210 EWYQ210	EWAQ240 EWYQ230	EWAQ260 EWYQ250
FUSES				
F1-F3	250gL/gG 500V	250gL/gG 500V	300gL/gG 500V	355gL/gG 500V
F1U	T 5A/250V	T 5A/250V	T 5A/250V	T 5A/250V
F4,F5	10gL/250V	10gL/250V	10gL/250V	10gL/250V
Circuit breakers				
F8B (OPIF)	-	-	-	-
F9B	C 4A/250V	C 4A/250V	C 4A/250V	C 4A/250V
Circuit breaker and motor protector settings				
F6B	2,30A	2,30A	2,30A	2,30A
F11B, F22B	52A	52A	66A	66A
F12B, F21B	52A	52A	66A	66A
F16B (OPSP/OPSC/OPTP/OPTC)	8,6A	8,6A	8,6A	8,6A
F16B (OPHP)	16,3A	16,3A	16,3A	16,3A
F17B (OPTP/OPTC)	8,6A	8,6A	8,6A	8,6A
F14B, F24B	7,6A	7,6A	7,0A	6,4A
F15B, F25B (OPIF)	7,9A	7,9A	9,5A	9,5A
K13S-K16S K23S-K26S	2,3A	2,3A	1,6A	1,6A

Changeable I/O possible functions

Refer to the installation manual for instructions how to configure changeable I/O

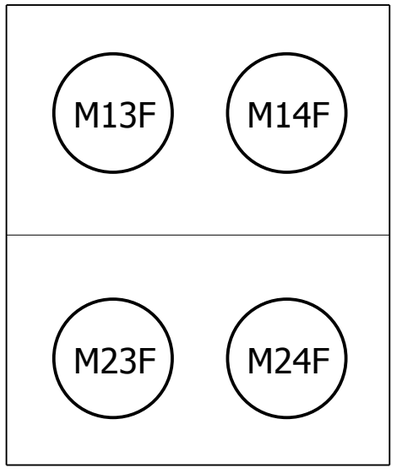
Changeable digital input (4 available)
-None -Status -Dual setpoint -Remote on-off -Capacity limitation 25%,50%,75% or setting -Low noise (only for OPIF) -Free cooling signal -Fan forced on

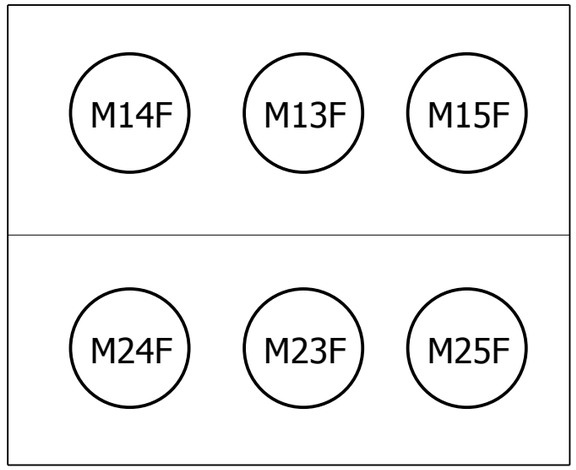
Changeable analog output (1 available)
-None -Unit Capacity (mA,V) -Details of types: Type mA: 0 .. 20mA / 4 .. 20mA Type V:0-1V / 0-5V / 0-10V

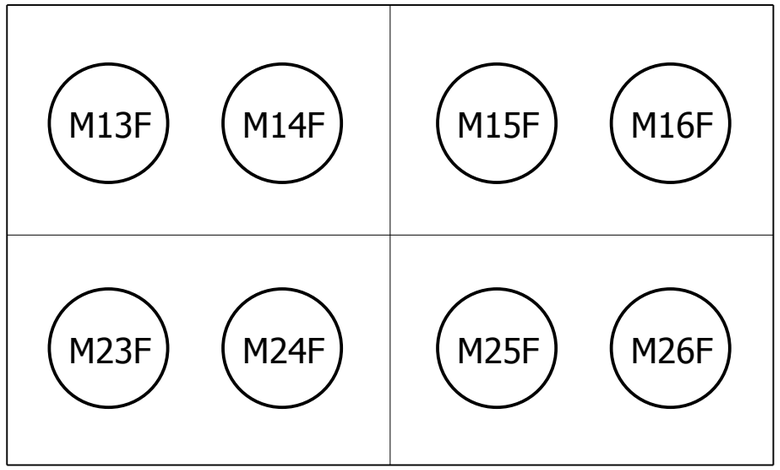
Changeable digital output (6 or 5 available depending on unit)
-None (open) -Closed -2nd pump -100% capacity -Full capacity -Free cooling -General operation -Safety+warning NO -Safety+warning NC (only for Ch DO 1) -Safety NO (excluding warning) -Safety NC (excluding warning) (only for Ch DO 1) -C1,C2 Safety NO -Warning NO -C1,C2 operation -Cooling (only EWYQ) -Heating (only EWYQ) -Defrost (only EWYQ)

Changeable analog input (4 available)
-None -Status (mA,V,NTC*,DI) -Floating setpoint (mA,V,NTC*) -Water temperature measurement (NTC*) -Changeable DI, refer to Ch DI for possibilities (DI) -Details of types: Type mA: 0 .. 20mA / 4 .. 20mA (internal 5V or external power supply) Type V:0-1V / 0-5V / 0-10V Type DI: DI (5V detection) * : for allowed NTC types and how to configure the software please contact your local dealer.

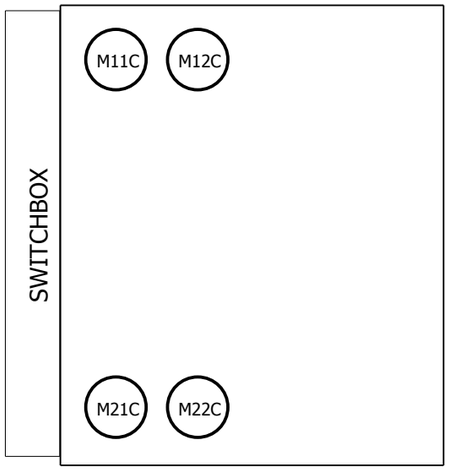
TOP VIEW OF UNIT (FANS)

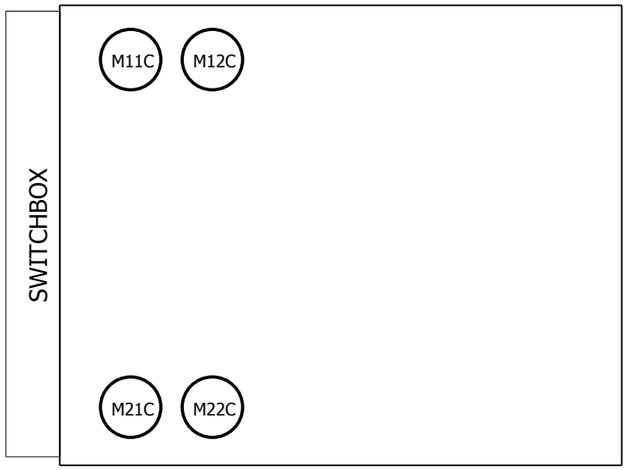


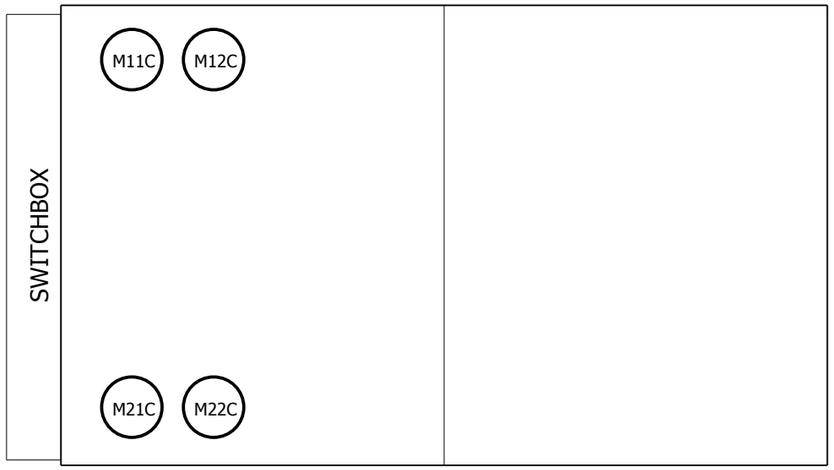




TOP VIEW OF UNIT (COMP+ SB)





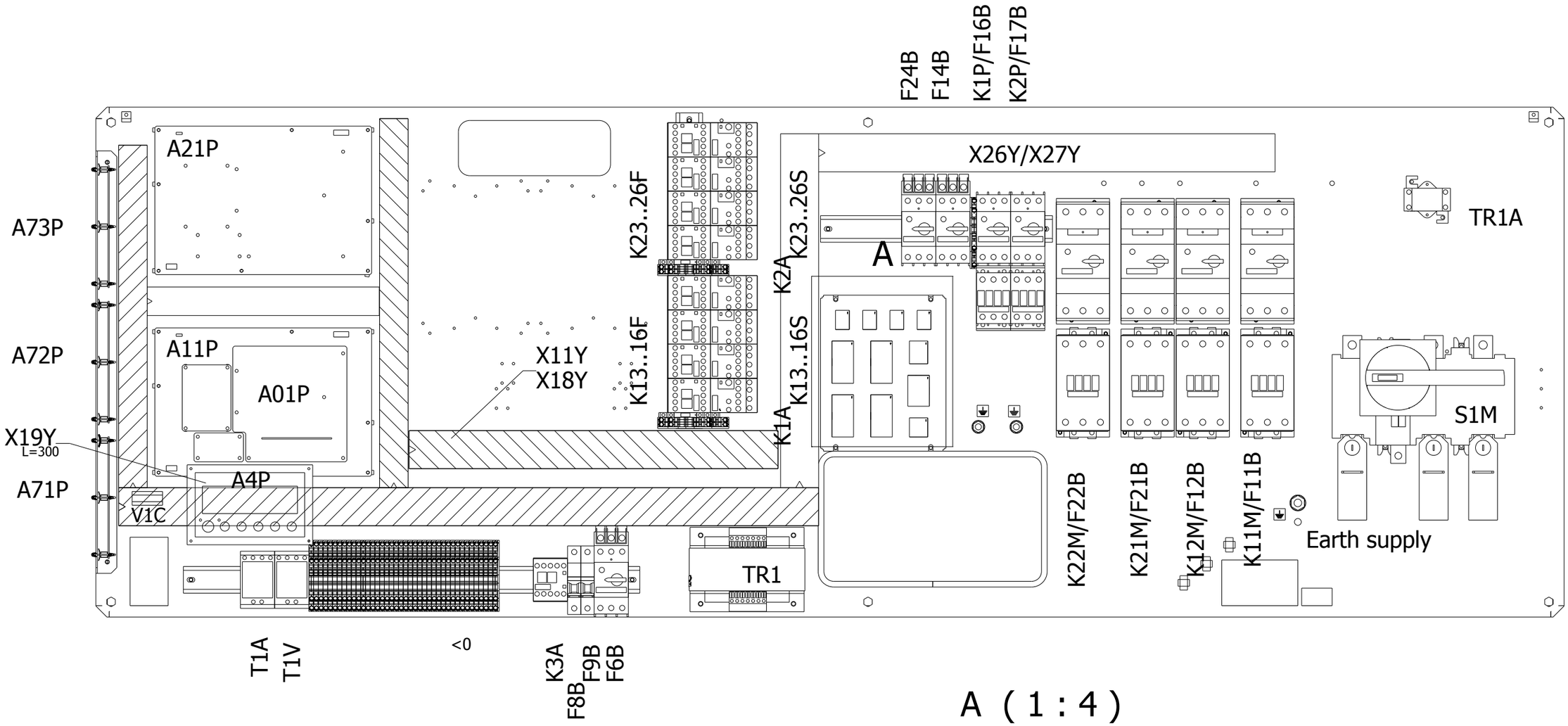


EWAQ 130-150
EWYQ 130-150

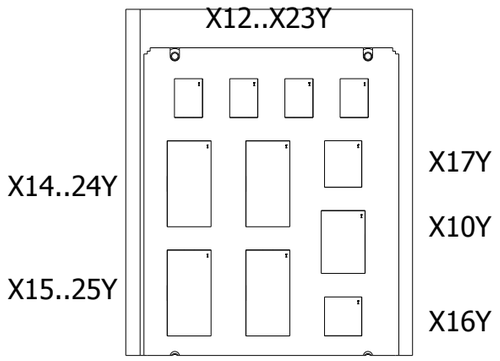
EWAQ 180-210
EWYQ 180-210

EWAQ 240-260
EWYQ 230-250

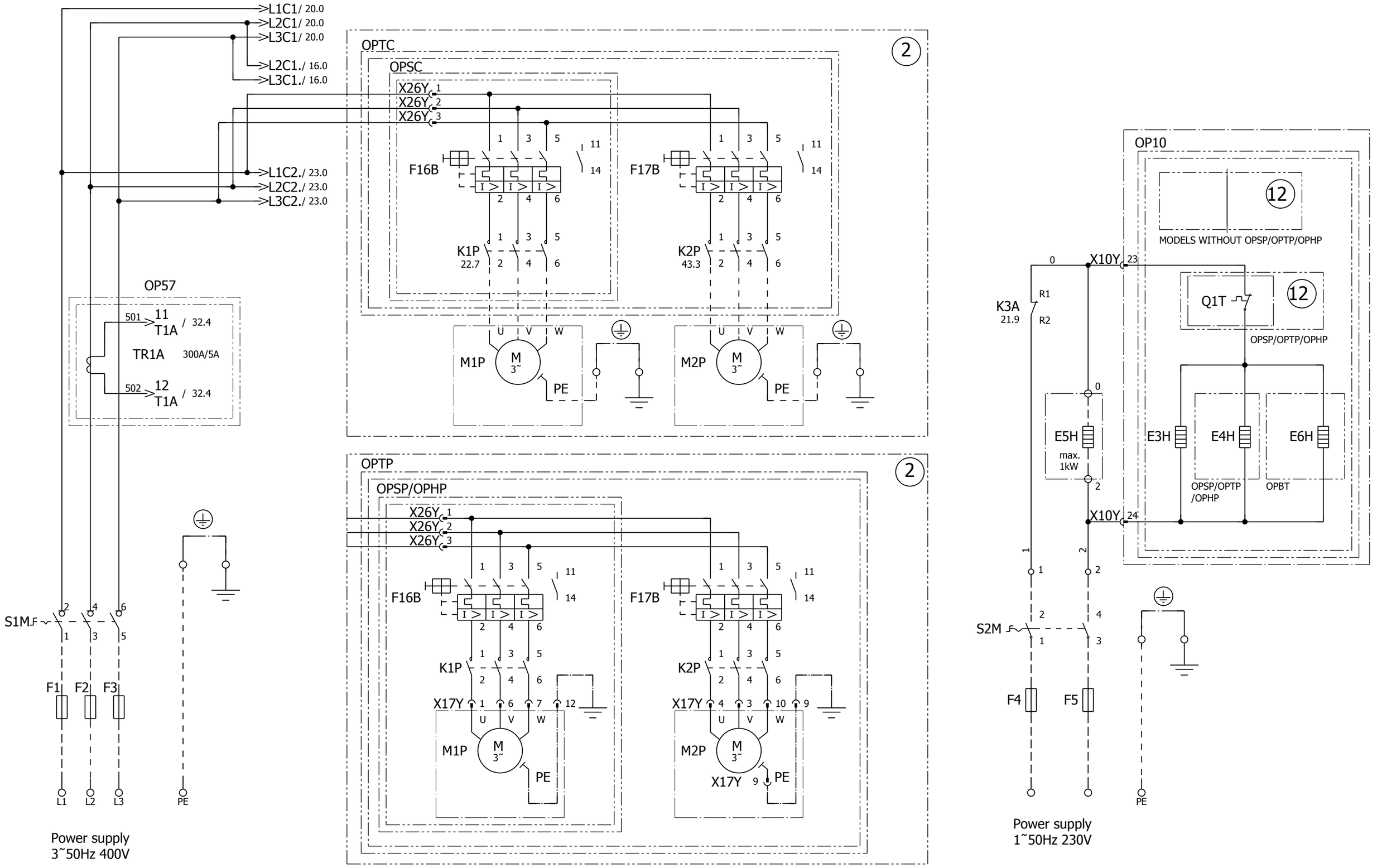
Daikin Europe N.V.	Description Unit outlook	Unit name EWAQ 130-260 EWYQ 130-250 Std	Drawing number 4TW57596-1	A	Page 8



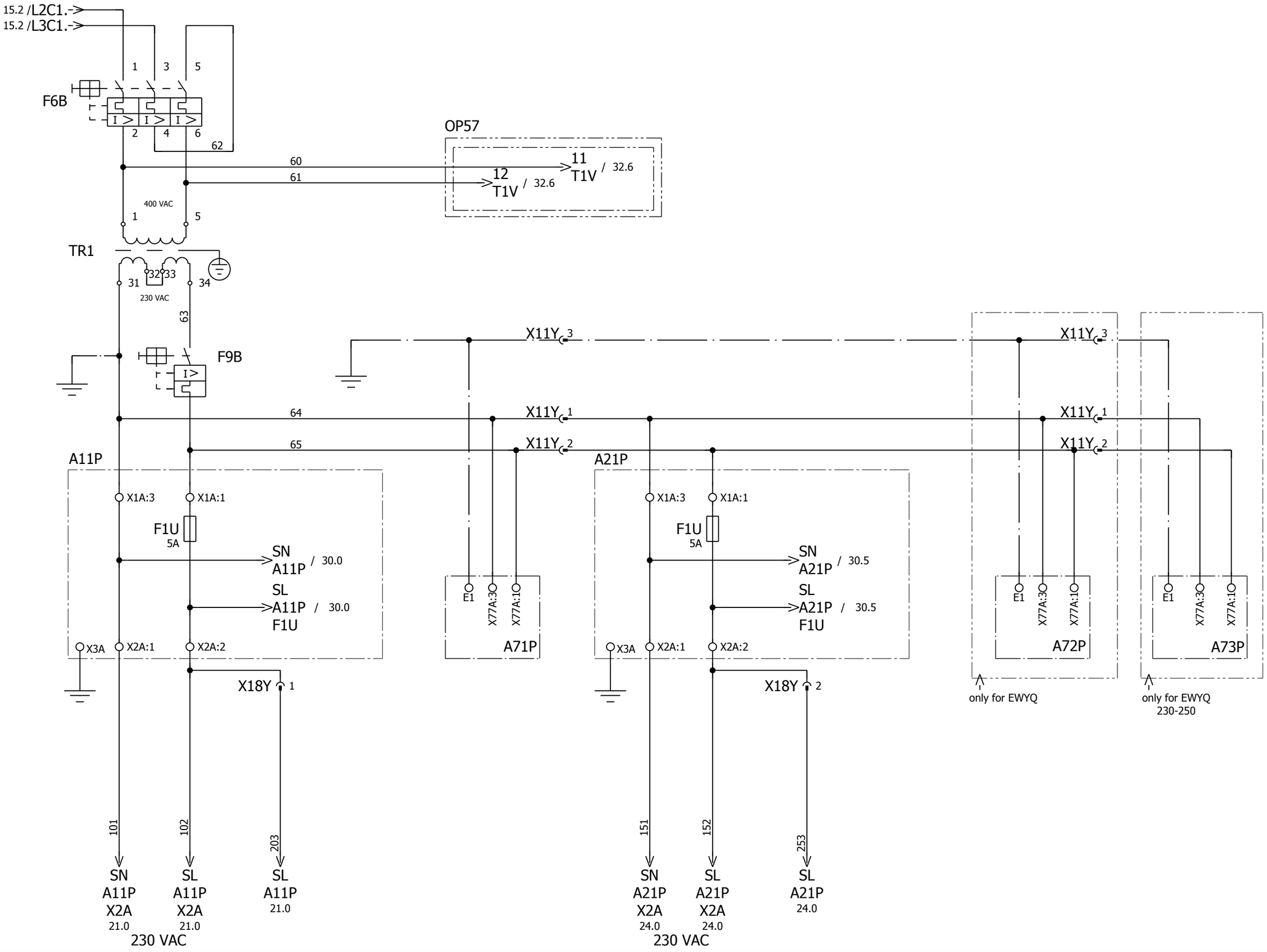
A (1 : 4)



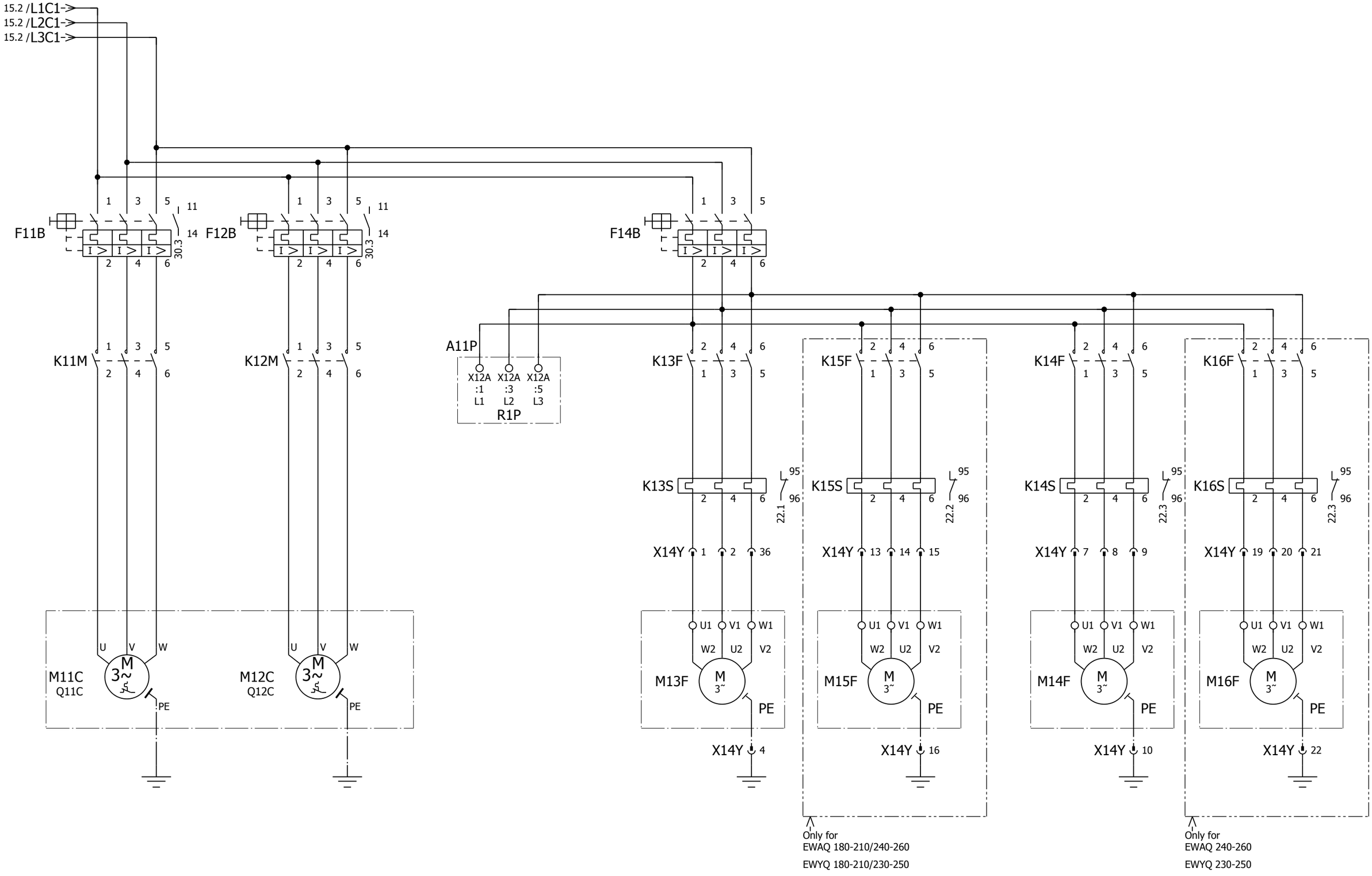
Daikin Europe N.V.	Description Switchbox outlook (typical)	Unit name EWAQ 130-260 EWYQ 130-250 Std	Drawing number 4TW57596-1	A	Page 9



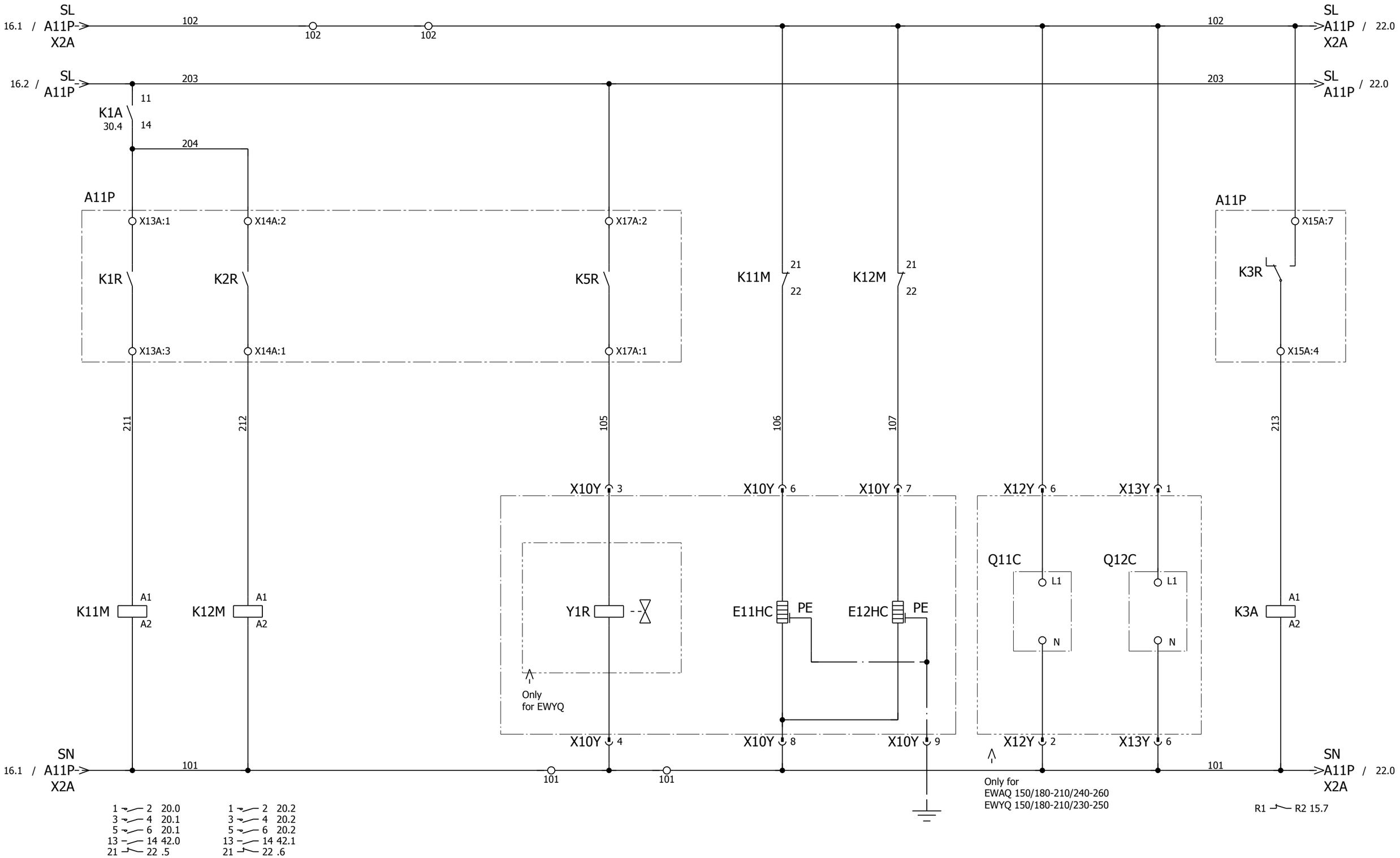
DAIKIN Daikin Europe N.V.	Description Main power supply	Unit name EWAQ 130-260 EWYQ 130-250 Std	Drawing number 4TW57596-1	A	Page 15



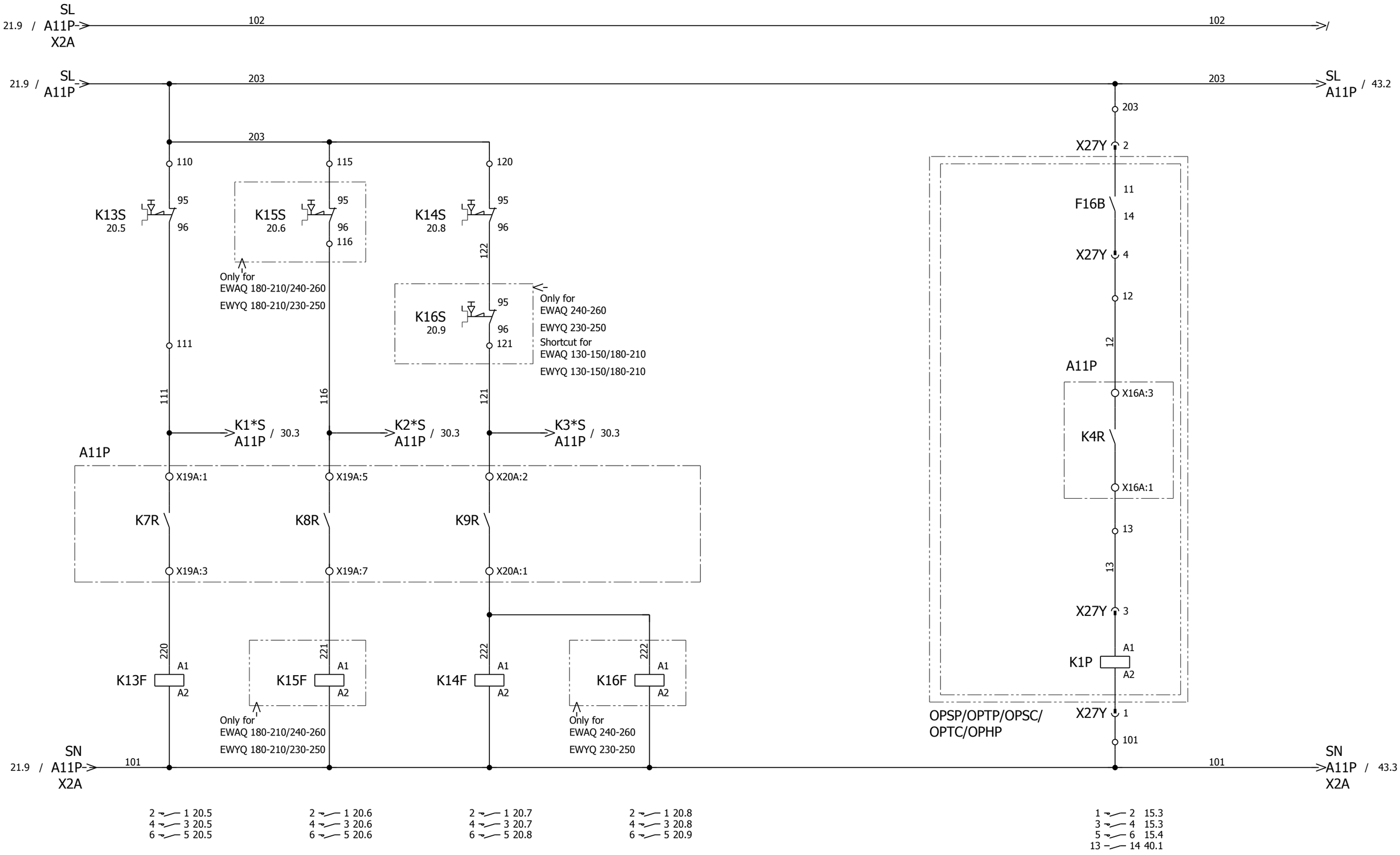
DAIKIN Daikin Europe N.V.	Description Trafo + PCB power supply	Unit name EWAQ 130-260 EWYQ 130-250 Std	Drawing number 4TW57596-1	B	Page 16



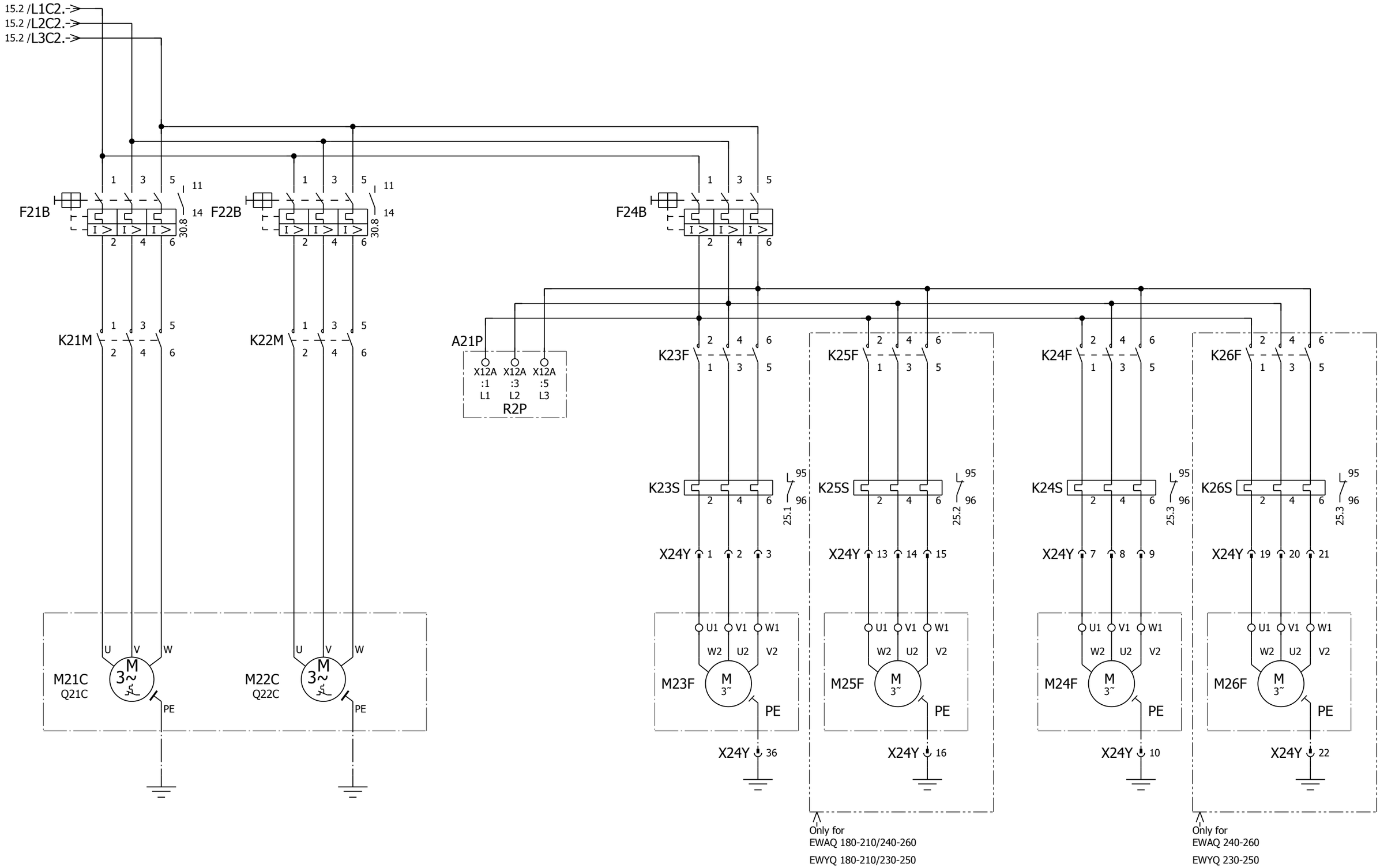
DAIKIN Daikin Europe N.V.	Description Circuit 1: compressor & fan	Unit name EWAQ 130-260 EWYQ 130-250 Std	Drawing number 4TW57596-1	A	Page 20



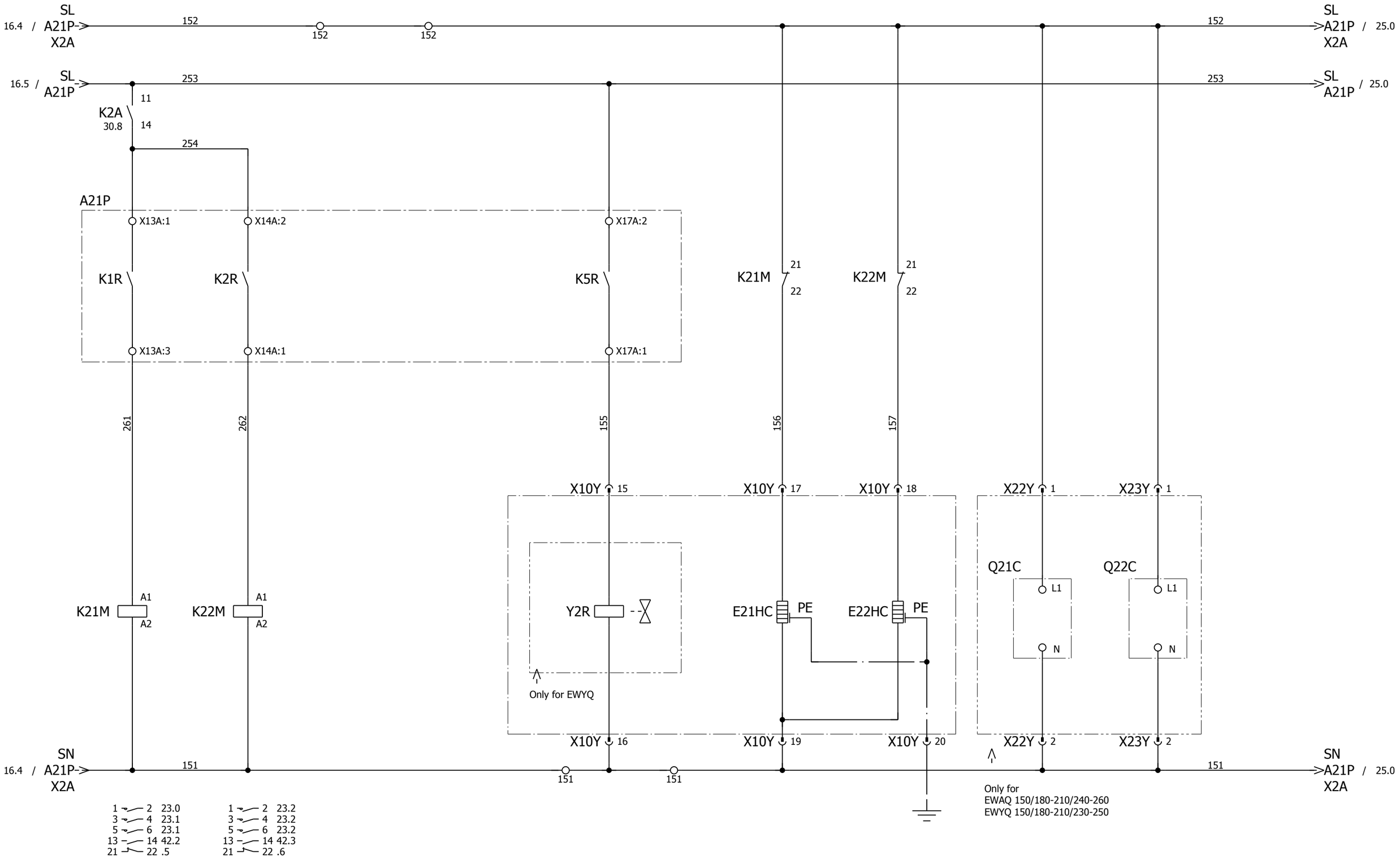
Daikin Europe N.V.	Description Circuit 1: control compressors	Unit name EWAQ 130-260 EWYQ 130-250 Std	Drawing number 4TW57596-1	A	Page 21



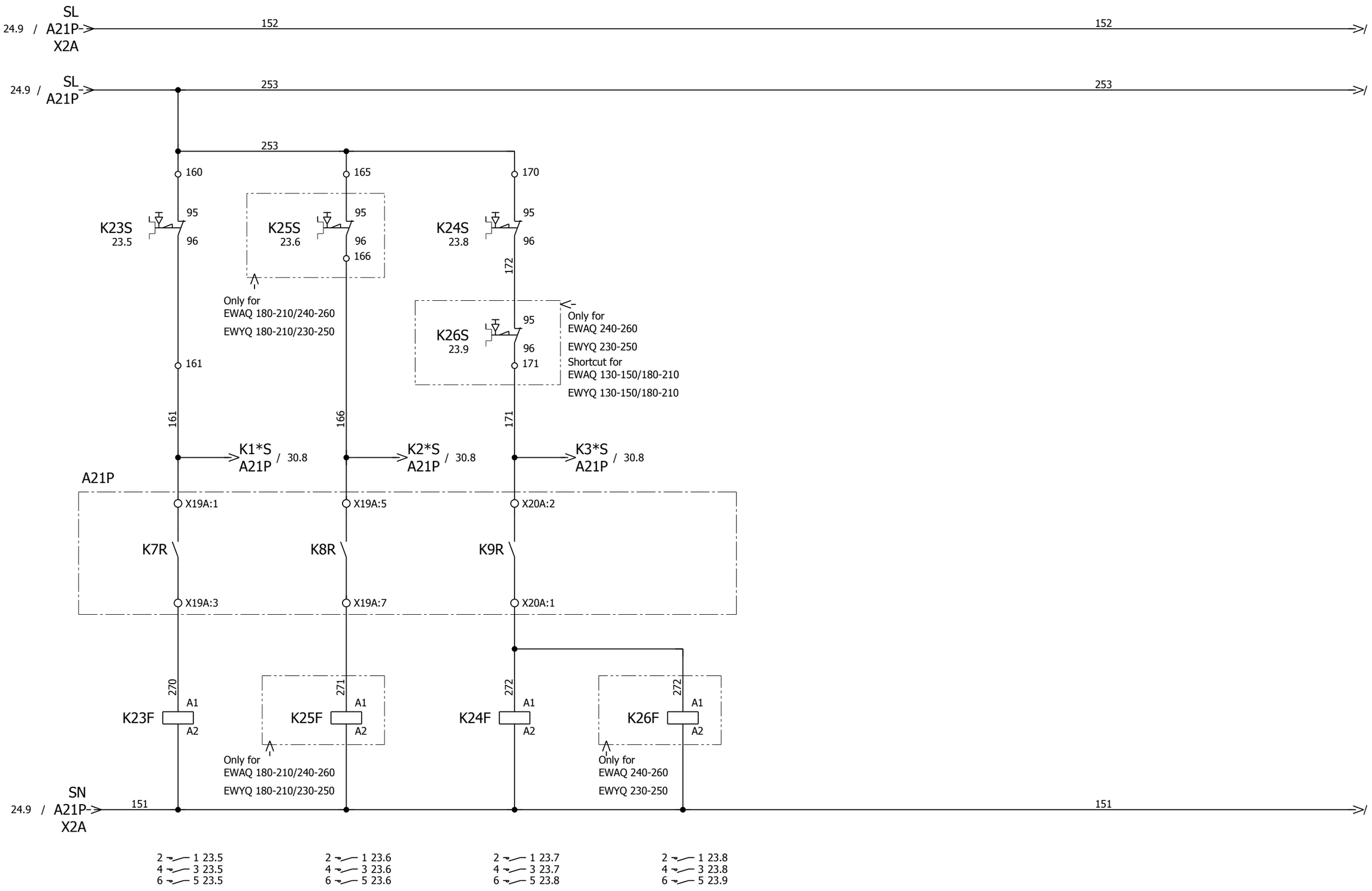
Daikin Europe N.V.	Description Circuit 1: control fans	Unit name EWAQ 130-260 EWYQ 130-250 Std	Drawing number 4TW57596-1	A	Page 22



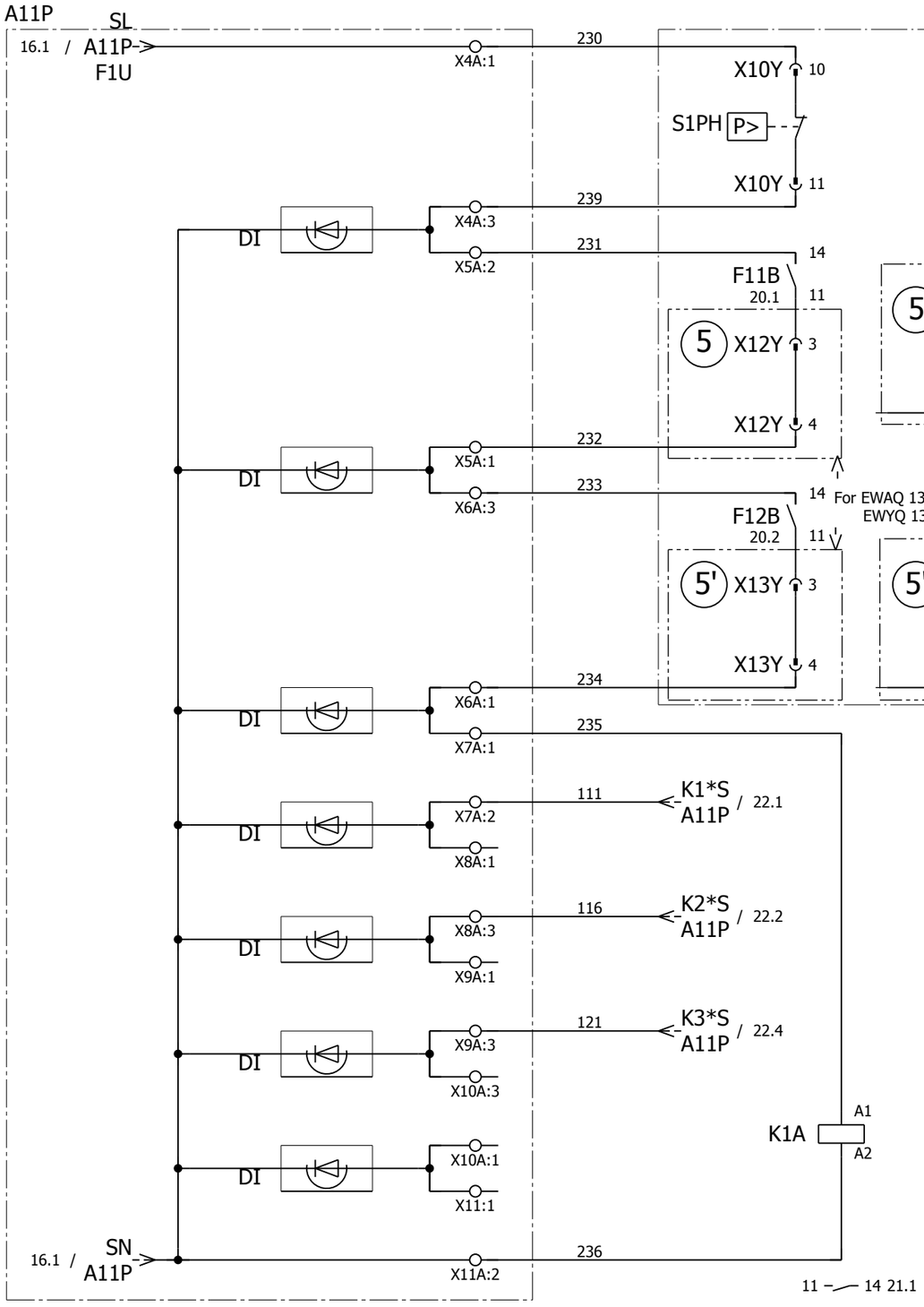
Daikin Europe N.V.	Description Circuit 2: compressor & fan	Unit name EWAQ 130-260 EWYQ 130-250 Std	Drawing number 4TW57596-1	A	Page 23



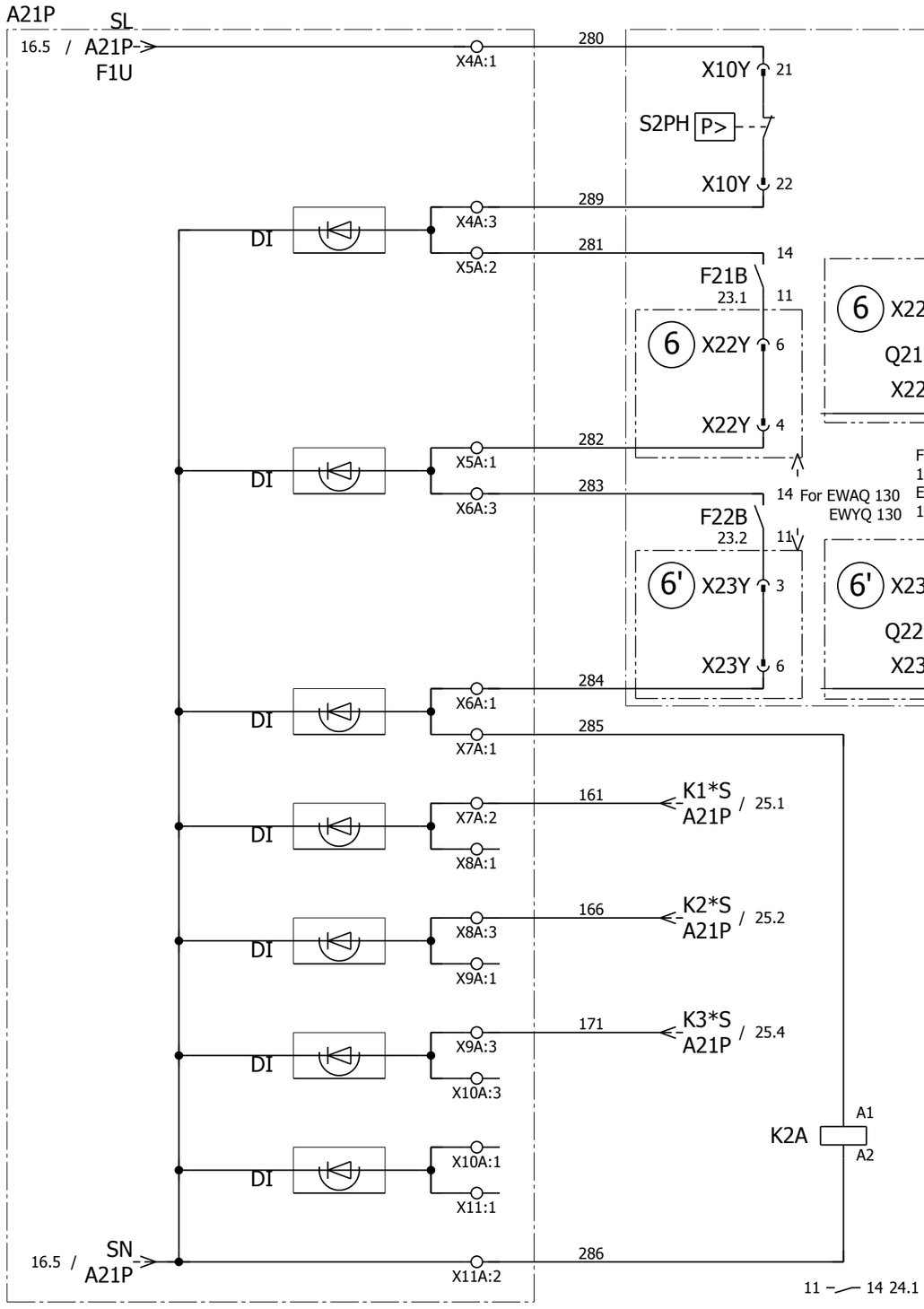
Daikin Europe N.V.	Description Circuit 2: control compressors	Unit name EWAQ 130-260 EWYQ 130-250 Std	Drawing number 4TW57596-1	A	Page 24



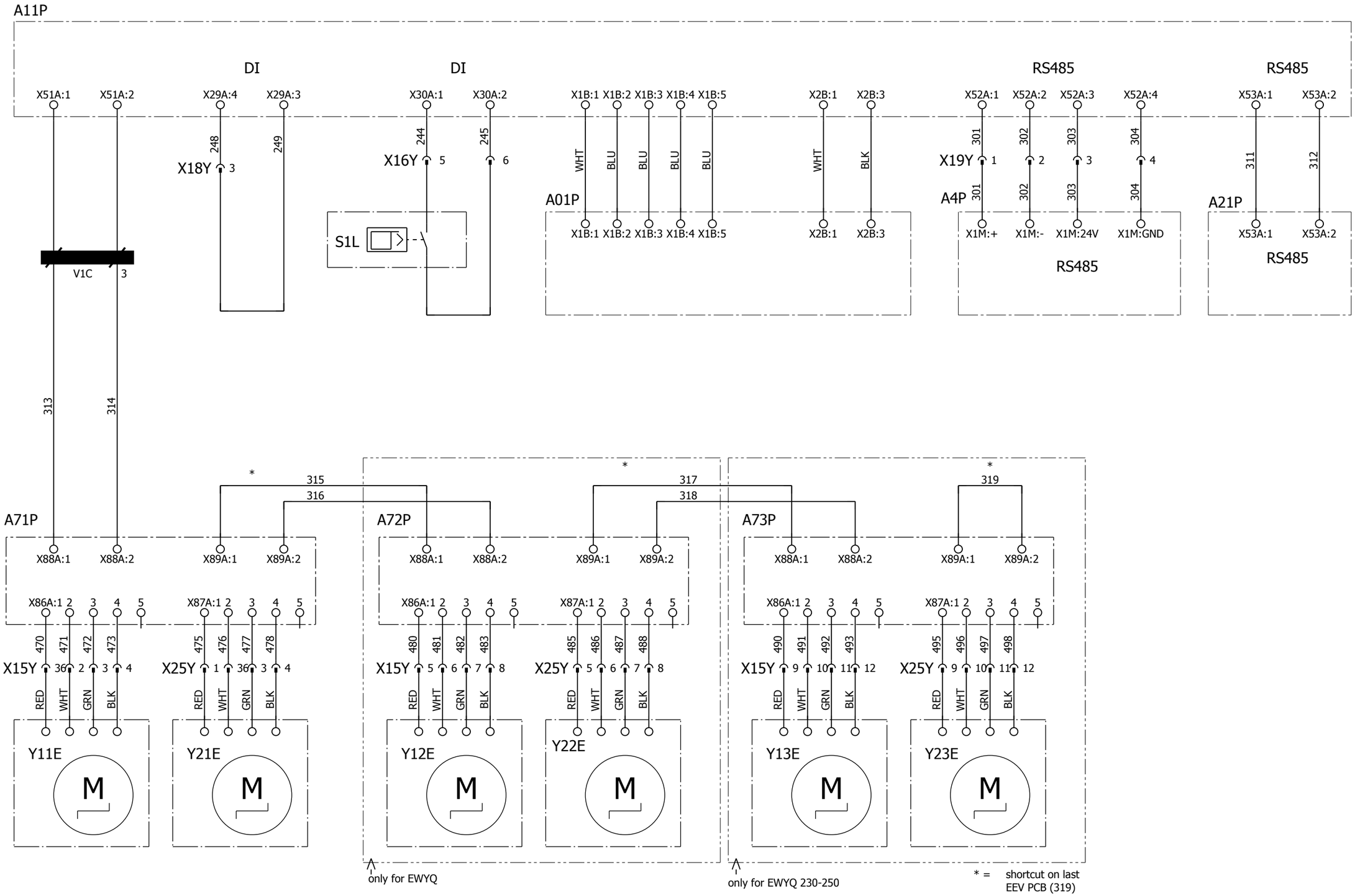
DAIKIN Daikin Europe N.V.	Description Circuit 2: control fans	Unit name EWAQ 130-260 EWYQ 130-250 Std	Drawing number 4TW57596-1	A	Page 25



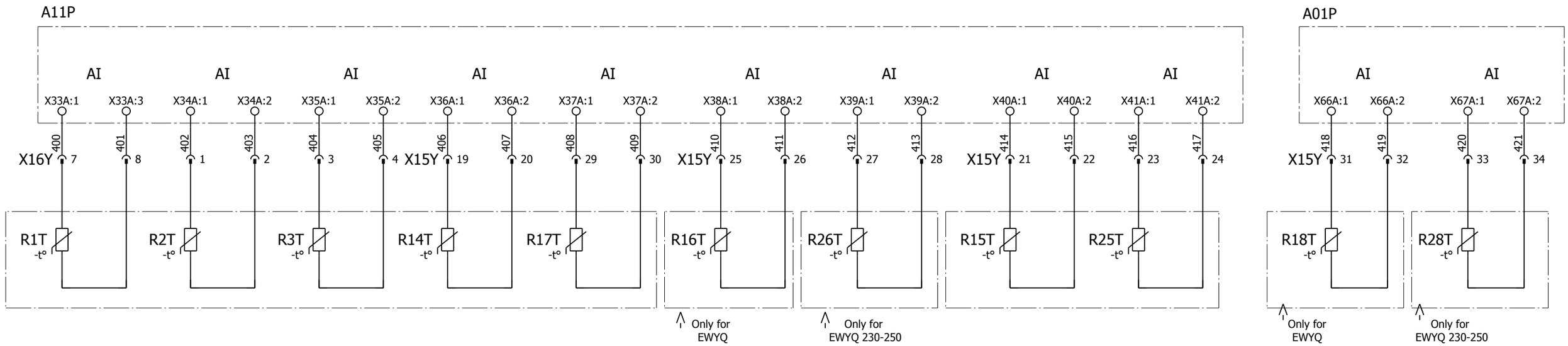
CIRCUIT 1

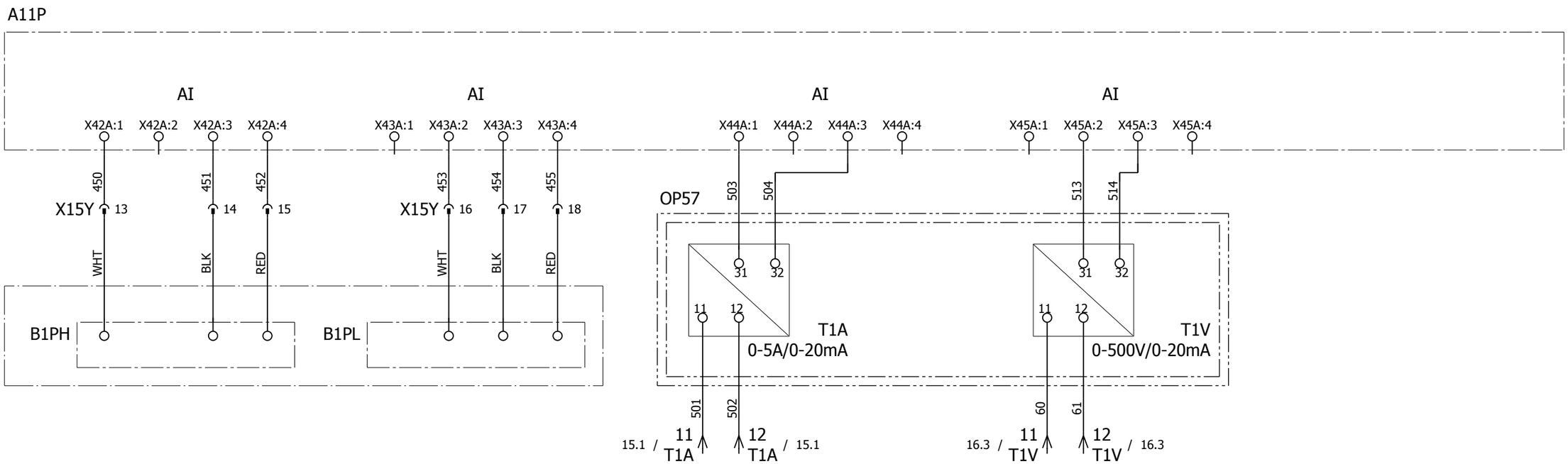


CIRCUIT 2

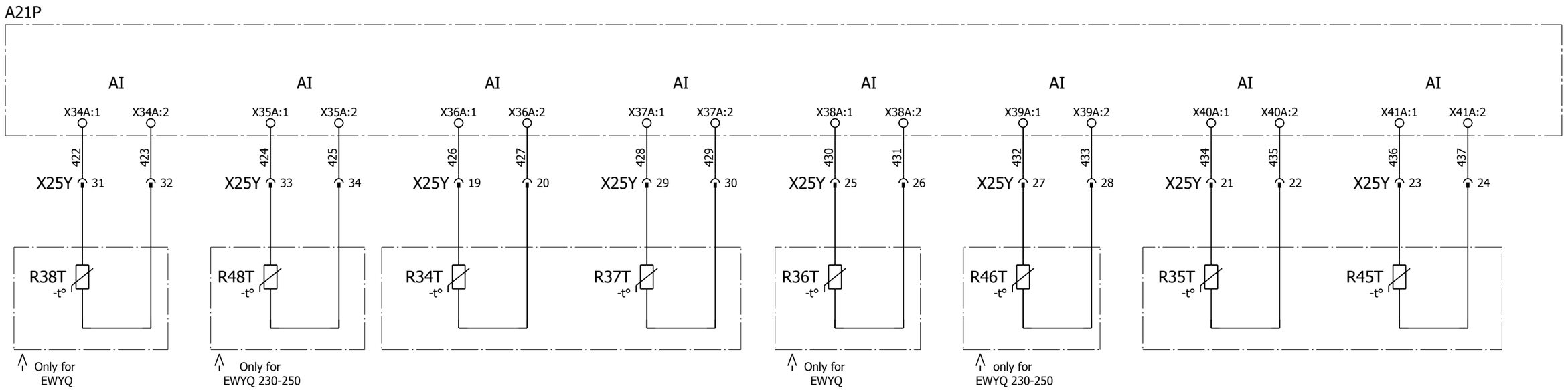


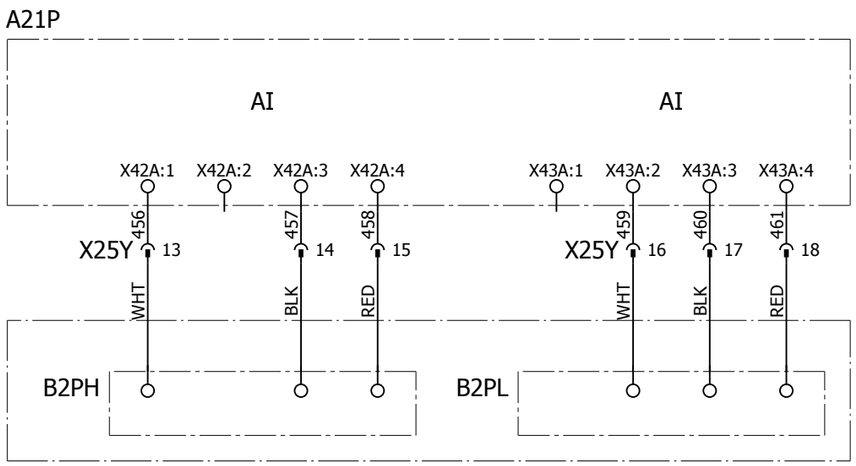
Daikin Europe N.V.	Description Control circuit and EEV	Unit name EWAQ 130-260 EWYQ 130-250 Std	Drawing number 4TW57596-1	- Page 31

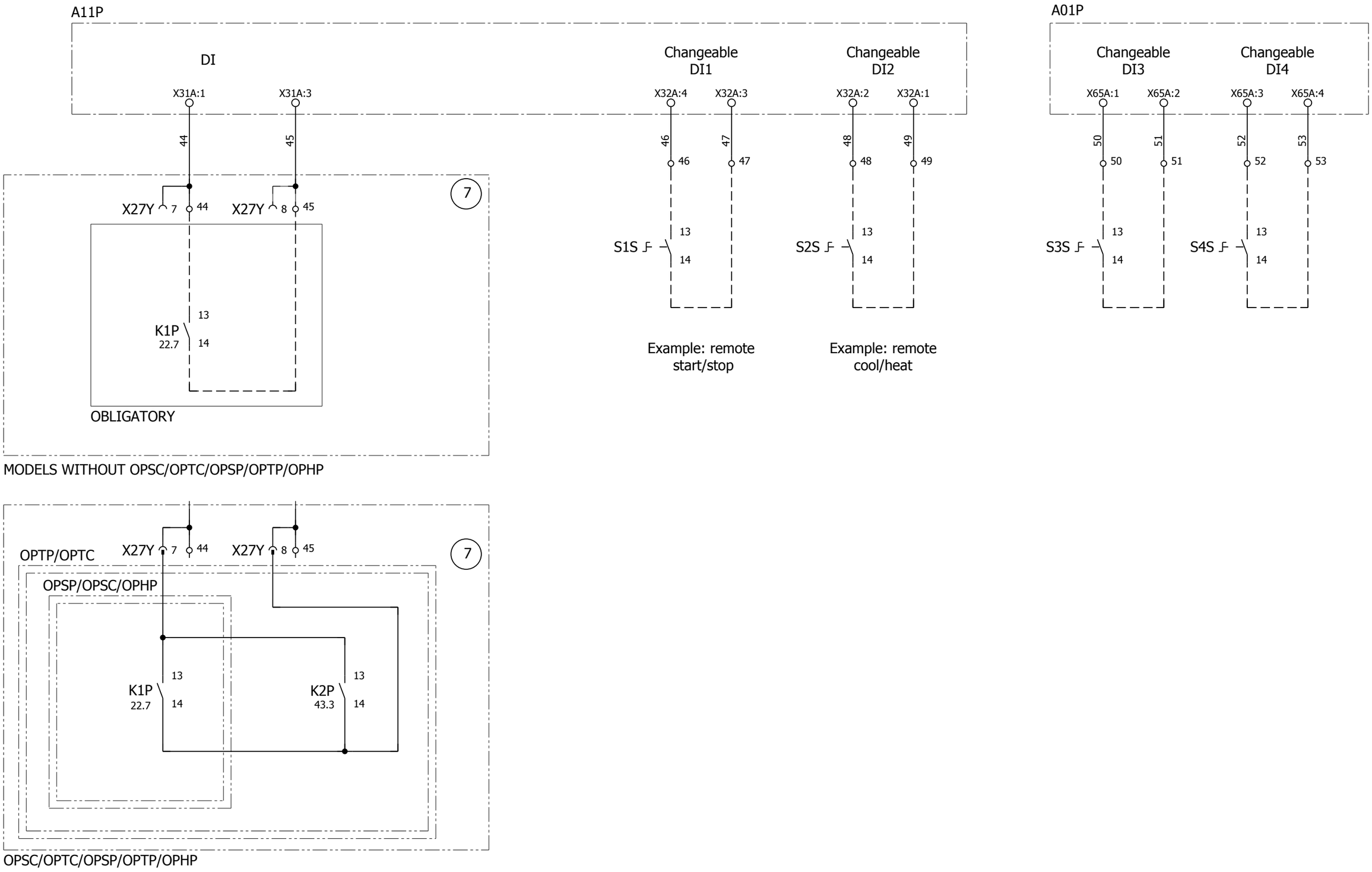


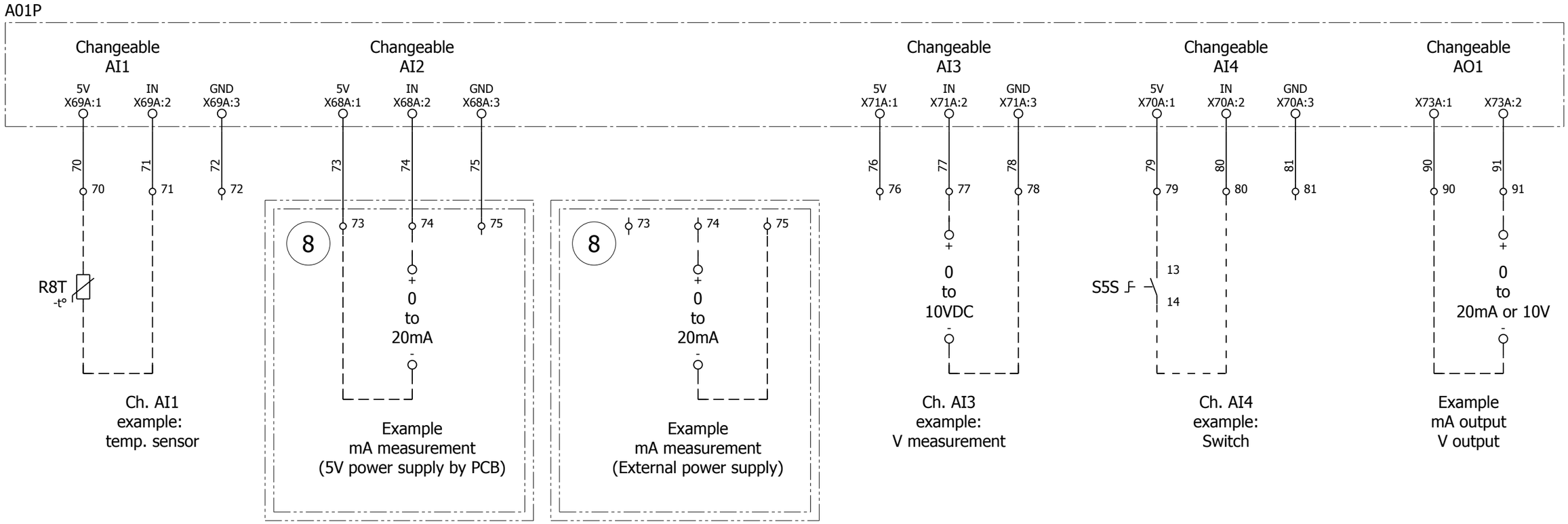


Daikin Europe N.V.	Description Circuit 1: sensors	Unit name EWAQ 130-260 EWYQ 130-250 Std	Drawing number 4TW57596-1	A	Page 32


A21P
AI
AI
AI
AI
AI
AI
AI
AI
X34A:1
X34A:2
X35A:1
X35A:2
X36A:1
X36A:2
X37A:1
X37A:2
X38A:1
X38A:2
X39A:1
X39A:2
X40A:1
X40A:2
X41A:1
X41A:2
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
X25Y 31
X25Y 32
X25Y 33
X25Y 34
X25Y 19
X25Y 20
X25Y 29
X25Y 30
X25Y 25
X25Y 26
X25Y 27
X25Y 28
X25Y 21
X25Y 22
X25Y 23
X25Y 24
R38T
-t°
R48T
-t°
R34T
-t°
R37T
-t°
R36T
-t°
R46T
-t°
R35T
-t°
R45T
-t°
Only for EWYQ
Only for EWYQ 230-250
Only for EWYQ
only for EWYQ 230-250


A21P
AI
AI
X42A:1
X42A:2
X42A:3
X42A:4
X43A:1
X43A:2
X43A:3
X43A:4
456
457
458
459
460
461
X25Y 13
X25Y 14
X25Y 15
X25Y 16
X25Y 17
X25Y 18
WHT
BLK
RED
WHT
BLK
RED
B2PH
B2PL

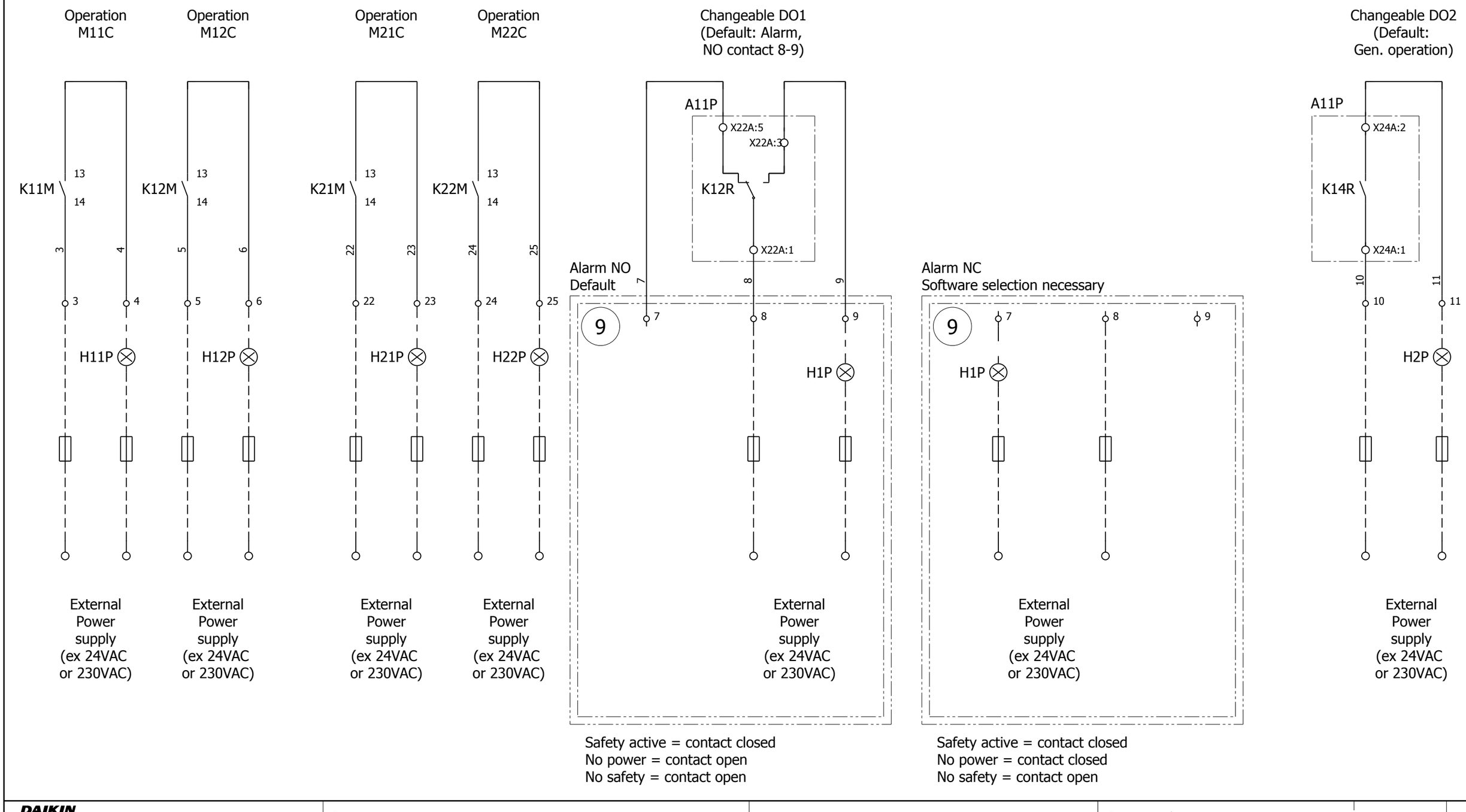

A11P
DI
X31A:1
X31A:3
44
45
X27Y 7 44
X27Y 8 45
7
13
K1P
22.7
14
OBLIGATORY
MODELS WITHOUT OPSC/OPTC/OPSP/OPTP/OPHP
OPTP/OPTC
OPSP/OPSC/OPHP
OPSC/OPTC/OPSP/OPTP/OPHP
Changeable DI1
X32A:4
X32A:3
46
47
S1S
Example: remote start/stop
Changeable DI2
X32A:2
X32A:1
48
49
S2S
Example: remote cool/heat
A01P
Changeable DI3
X65A:1
X65A:2
50
51
S3S
Changeable DI4
X65A:3
X65A:4
52
53
S4S


A01P
Changeable AI1
5V X69A:1
IN X69A:2
GND X69A:3
70
71
72
70
71
72
R8T
-t°
Ch. AI1 example: temp. sensor
Changeable AI2
5V X68A:1
IN X68A:2
GND X68A:3
73
74
75
8
73
74
75
+
0 to 20mA
-
Example mA measurement (5V power supply by PCB)
8
73
74
75
+
0 to 20mA
-
Example mA measurement (External power supply)
Changeable AI3
5V X71A:1
IN X71A:2
GND X71A:3
76
77
78
76
77
78
+
0 to 10VDC
-
Ch. AI3 example: V measurement
Changeable AI4
5V X70A:1
IN X70A:2
GND X70A:3
79
80
81
79
80
81
S5S
13
14
Ch. AI4 example: Switch
Changeable AO1
X73A:1
X73A:2
90
91
90
91
+
0 to 20mA or 10V
-
Example mA output V output

0	1	2	3	4	5	6	7	8	9

AC15: max.3A-230V

Changeable DO: Maximum load: 2A-230VAC, Minimum load: 10mA-5VDC



Daikin Europe N.V.	Description: Fieldwiring DO,changeable DO	Unit name: EWAQ 130-260 EWYQ 130-250 Std	Drawing number: 4TW57596-1	-

Ch. DO: Maximum load: 2A-230VAC, Minimum load: 10mA-5VDC